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ABSTRACT

2 Disclosed is a method of navigating a spinal subarchnoid space in a living being,
3 that includes percutaneously introducing a device into the spinal subarachnoid space at an
4 entry location. The device has a first passageway that is sized to slidably receive, and
5 work with, at least a guidewire. The device can be a catheter or a sheath. The method
6 can also include advancing the device within the spinal subarachnoid space at least more
7 than 10 centimeters from the entry location. Alternatively, the method can include
8 advancing the device within the spinal subarachnoid space to facilitate intracranial access
9 with a second device introduced through the first passageway. Also disclosed is a device
10 suited for attachment to a patient's skin, such as a sheath, that includes an elongated
11 member, a skin-attachment apparatus having a flexible skin-attachment flap, and a valve
12 apparatus. The skin-attachment apparatus and the valve apparatus may be coupled to the
13 elongated member in spaced relation to each other.

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